

Metal ion removal from electrolyte

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Inventor(s): IOURTCHEUK TATIANA DR (DE); BERGMANN HENRY PROF DR (DE)

Applicant(s): IOURTCHEUK TATIANA DR (DE); BERGMANN HENRY PROF DR (DE)

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Equivalents:

Abstract

In a process and cell unit for material removal from an electrolyte, the electrolyte is passed through two electrolysis/electrodialysis units referred to as primary and secondary cells (1, 2). The primary cell (1) consists of an anode (6), a cathode (7) and preferably three sub-cells, separated by two separators (3, 4) to form a central chamber which separates an anode space or anolyte circulation system from a cathode (7) or catholyte circulation system, the electrolyte (11) being passed through the space containing the cathode (7) or connected to the catholyte circulation system. A second electrolyte circulation connection (12) can be produced between the catholyte system of the primary cell and that of the secondary cell (2), the secondary cell comprising an anode (10), a cathode (9), catholyte and anolyte systems and two sub-cells separated by a separator (8).

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